TAYLOR M. OKONEK

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EDUCATION

University of Washington, Seattle, WA *September 2018 - Present*
Ph.D., Biostatistics

Saint Olaf College, Northfield, MN *September 2014 - May 2018*
B.A., Mathemathics and Religion
Concentration in Statistics

RESEARCH AND CONSULTING EXPERINECE

Research Assistant
University of Washington, Department of Biostatistics
Supervisor: Jon Wakefield *June 2019 - Present*

University of Washington, Department of Environmental and Occupational Health Sciences
Supervisors: Lianne Sheppard, Joel Kaufman *September 2018 - June 2019*

Saint Olaf College Center for Interdisciplinary Research
Statistical Consultant
Supervisors: Louis Epstein, Matthew Wright, Sharon Lane-Getaz *September 2016 - May 2018*

Saint Olaf College Collaborative Undergraduate Research and Inquiry Program
Student Summer Researcher
Supervisors: Sharon Lane-Getaz *May 2016 - August 2016*

TEACHING EXPERIENCE

Teaching Assistant
Saint Olaf College, Department of Mathematics and Statistics *February 2015 - May 2018*

- STAT 212: Statistics for the Sciences

- STAT 322: Statistical Theory

- MATH 244: Real Analysis

- MATH 262: Probability Theory

University of Washington, Department of Biostatistics *September 2020 - December 2020*

- BIOST 310: Biostatistics for the Health Sciences

Undergraduate Student Mentor
University of Washington, Department of Statistics *January 2021 - Present*

- Directed Reading Program Mentor

INDUSTRY EXPERIENCE

Data Science Intern *May 2017 - August 2017*
WindLogics, St. Paul, MN

AWARDS AND HONORS

University of Washington
ARCS Foundation Fellow
Biostatistics, Epidemiologic, and Bioinformatic Training in Environmental Health Training Grant

Saint Olaf College
Phi Beta Kappa Honors Society
Blue Key Honor Society
Pi Mu Epsilon Honor Society
Theta Alpha Kappa Honor Society
Bellows Scholarship
President's Scholarship

SELECTED SERVICES AND LEADERSHIP EXPERIENCE

University of Washington, Department of Biostatistics

Member - Statistics Education Reading Group	*September 2019 - Present*
Member - Biostatistics Activities and Events Squad	*September 2019 - Present*
Member - Biostatistics Equity, Diversity, and Inclusion Committee	*September 2018 - Present*

Saint Olaf College

Member - TRIO McNair Scholars Program	*January 2016 - May 2018*

PUBLICATIONS

PUBSLISHED

1. Wakefield, J., **Okonek, T.M.**, Pedersen, J. (2020). Small Area Estimation for Disease Prevalence Mapping. *International Statistical Review*.

2. Han, S.M., **Okonek, T.M.**, Yadav, N., Zheng, X. (2020). Distributions of Matching Distances in Topological Data Analysis. *SIAM Undergraduate Research Online*, 13.

3. Epstein, L.K., **Okonek, T.M.**, Perkins, A.E. (2019). Mind the Gap: Inclusive Pedagogies for Diverse Classrooms. *Journal of Music History Pedagogy*, 9, 2.

SUBMITTED

1. Eaton, J., . . . , **Okonek, T.M.**, . . . , Shiraishi, R.W. (2021). Naomi: A New Modelling Tool for Estimating HIV Epidemic Indicators at the District Level in Sub-Saharan Africa. *Journal of the International AIDS Society*.

SELECTED RESEARCH PRESENTATIONS

1. "Assessing National PM10 Predictions: From 1990 to 2016." BEBTEH Student Research Day, UW, Seattle, WA. April, 2019. { *Poster Session* }

2. "Distributions of Matching Distances in Topological Data Analysis." Underrepresented Students in Topology and Algebra Research Symposium, Portland, OR. April, 2018. { *Poster Session* }

3. "The Music History Game: Assessing Learning through Play." National Conferences on Undergraduate Research, Memphis, TN. April, 2017. { *Poster Session* }

4. "Teacher Professional Learning Communities and Student Achievement." Saint Olaf College Collaborative Undergraduate Research and Inquiry Program, Northfield, MN. August, 2016. { *Poster Session* }

TECHNICAL SKILLS

Programming Languages and Statistical Packages	R, C++, Python, Mathematica, Shiny, Tidyverse
Other Applications	LaTeX, Linux/Unix, Git